



Robert Greene Sterne  
Edward J. Kessler  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gen G. Durkin  
Michele A. Cimbalia  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Alcorn  
Robert C. Millonig  
Lawrence B. Bugaisky  
Donald J. Featherstone  
Michael V. Messinger

Judith U. Kim  
Timothy J. Shea, Jr.  
Patrick E. Garrett  
Jeffrey T. Hevey  
Heidi L. Kraus  
Albert L. Ferro\*  
Donald R. Banowitz  
Peter A. Jackman  
Teresa U. Medler  
Jeffrey S. Weaver  
Kendrick P. Patterson  
Vincent L. Capuano  
Eldora Ellison Floyd  
Thomas C. Flala  
Brian J. Del Buono  
Virgil Lee Beaston  
Theodore A. Wood  
Elizabeth J. Haanes

Joseph S. Ostroff  
Frank R. Cottingham  
Christine M. Lhuifer  
Rae Lynn P. Guest  
George S. Bardmessner  
Daniel A. Klein\*  
Jason D. Eisenberg  
Michael D. Specht  
Andrea J. Kamage  
Tracy L. Muller\*  
LuAnne M. DeSantis  
Ann E. Summerfield  
Aric W. Ledford\*  
Helene C. Carlson  
Timothy A. Doyle\*  
Gaby L. Longsworth  
Lori A. Gordon\*  
Nicole D. Dretar\*

Ted J. Ebersole  
Jyoti C. Iyer\*  
Laura A. Vogel  
Registered Patent Agents\*  
Karen R. Markowicz  
Nancy J. Leith  
Matthew J. Dowd  
Aaron L. Schwartz  
Katrina Yujian Pei Quach  
Bryan L. Shelton  
Robert A. Schwartzman  
Teresa A. Colella  
Jeffrey S. Lundgren  
Victoria S. Rutherford  
Michelle K. Holoubek  
Robert H. DeSelms  
Simon J. Elliott

Julie A. Heider  
Mita Mukherjee  
Scott M. Woodhouse  
Michael G. Penn  
Christopher J. Walsh  
Of Counsel  
Kenneth C. Bass III  
Evan R. Smith  
Marvin C. Guthrie  
\*Admitted only in Maryland  
•Admitted only in Virginia  
•Practice Limited to  
Federal Agencies

October 29, 2004

WRITER'S DIRECT NUMBER:  
(202) 772-8771

INTERNET ADDRESS:  
VBEASTON@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Mail Stop: Amendment

Re: U.S. Utility Patent Application  
Application No. 10/679,269; Filed: October 7, 2003  
For: **Low Voltage Input Current Mirror Circuit And Method**  
Inventor: Lawrence M. BURNS  
Our Ref: 1875.1090008

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Resubmission of Information Disclosure Statement;
2. Copy of PTO date stamped receipt card dated October 7, 2003;
3. Form PTO-1449 listing TWELVE (12) documents (1 page);
4. Copies of FOUR (4) cited documents as listed on Form PTO-1449;
5. Copy of partially initialed Form PTO-1449 enclosed with Notice of Allowance dated October 18, 2004; and
6. One (1) return postcard.

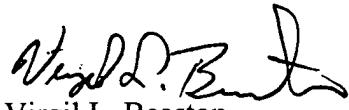
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
October 29, 2004  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Virgil L. Beaston  
Attorney for Applicant  
Registration No. 47,415

VLB/mhd

329004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:  
Lawrence M. BURNS  
Application No.: 10/679,269  
Filed: October 7, 2003  
**For: Low Voltage Input Current Mirror  
Circuit And Method**

Confirmation No.: 3131  
Art Unit: 2817  
Examiner: Henry Choe  
Atty. Docket: 1875.1090008

**Resubmission of Information Disclosure Statement**

*Attn: Mail Stop Amendment*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

As requested by the Examiner, Applicants hereby resubmit the Information Disclosure Statement filed on October 7, 2003, so that the Examiner can consider the references crossed-off on the 1449 received with the Notice of Allowance dated October 18, 2004. Copies of references AL1, AM1, AN1, and AR1 are enclosed herewith.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the document nos. AL1, AM1, AN1, and AR1 have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Virgil L. Beaston  
Attorney for Applicant  
Registration No. 47,415

Date: 10/29/04

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

328995

# COPY

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lawrence M. BURNS

Appl. No. To Be Assigned

*(Continuation of Appl. No. 10/288,418; Filed: November 6, 2002)*

Filed: Herewith

For: **Low Voltage Input Current Mirror  
Circuit And Method**

Confirmation No. To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.1090008

## Information Disclosure Statement

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not



# COPY

- 2 -

Lawrence M. BURNS

Appl. No. *To Be Assigned*

(Continuation of Appl. No. 10/288,418; Filed: November 6, 2002)

be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed **within three months of the date of filing of a national application** other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

# COPY

Lawrence M. BURNS  
Appl. No. To Be Assigned  
(Continuation of Appl. No. 10/288,418; Filed: November 6, 2002)

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form [OR] Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).

□ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Attached is our PTO-2038 Credit Card Payment Form [OR] Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a

# COPY

- 4 -

Lawrence M. BURNS

Appl. No. *To Be Assigned*

(Continuation of Appl. No. 10/288,418; Filed: November 6, 2002)

communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- 7. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 10/288,418, filed November 6, 2002, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

**COPY**

- 5 -

Lawrence M. BURNS  
Appl. No. *To Be Assigned*  
(Continuation of Appl. No. 10/288,418; Filed: November 6, 2002)

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert Sokohl  
Attorney for Applicant  
Registration No. 36,013

Date: 10/7/03

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

SKGF\_DC1:185914.1

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>			ATTY. DOCKET NO.: 1875.1090008		APPLICATION NO.: To Be Assigned		
			APPLICANT: Lawrence M. BURNS				
			FILING DATE: Herewith		GROUP: To Be Assigned		
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
H. C.	AA1	4,518,869	05/1985	Herold	—	—	
H. C.	AB1	4,983,929	01/1991	Real <i>et. al.</i>	—	—	
H. C.	AC1	5,164,614	11/1992	Maekawa	—	—	
H. C.	AD1	5,686,824	11/1997	Rapp	—	—	
H. C.	AE1	5,739,719	04/1998	Tanabe <i>et al.</i>	—	—	
H. C.	AF1	5,812,024	09/1998	Mastrocola	—	—	
H. C.	AG1	5,892,394	04/1999	Wu	—	—	
H. C.	AH1	6,025,792	02/2000	Smith	—	—	
	AI1						
	AJ1						
	AK1						
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>[initials]</i>	AL1	WO 00/28664	05/2000	PCT			Yes No
<i>[initials]</i>	AM1	EP 0 356 020 A1	02/1990	EPO			Yes No
	AN1	EP 0 846 997 A2	06/1998	EPO			Yes No
	AO1						Yes No
	AP1						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AR	1	International Search Report issued February 11, 2002 for Appn. No. PCT/US01/21033, 7 pages. <i>review.</i>				
	AS	1	<i>These documents are not available</i>				
	AT	1					
EXAMINER <u>Henry Choe</u>				DATE CONSIDERED <u>10/15/04</u>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							



**Applicant:** Lawrence M. BURNS  
**Application No.:** To Be Assigned  
*(Continuation of Appl. No. 10/288,418; Filed November 6, 2002)*

**Due Date:** None  
**Art Unit:** To Be Assigned  
**Examiner:** To Be Assigned



**Filed:** Herewith  
**For:** Low Voltage Input Current Mirror Circuit And Method

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents:

1. SKGF Cover Letter;
2. PTO Fee Transmittal (Form PTO/SB/17);
3. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
4. U.S. Utility Patent Application consisting of: (a) An Application Data Sheet (37 C.F.R. § 1.76); (b) A copy of the executed Declaration, as originally filed in U.S. Appl. No. 09/897,045. (c) A specification containing: (i) 23 pages of description prior to the claims; (ii) 4 pages of claims (14 claims); (iii) a one (1) page abstract; (d) 10 sheets of drawings: (Figures 1-3, 4A, 4B, 4C, 5A, 5B, 5C, 6A, 6B, 6C, 6D, 6E, 7A, 7B, 7C, 7D);
5. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
6. Recordation Form Cover Sheet;
7. An copy of the original executed Assignment to Broadcom Corporation;
8. A Preliminary Amendment;
9. An Information Disclosure Statement (IDS);
10. Form PTO-1449 (1 page);
11. Two (2) return postcards; and
12. Form PTO-2038 Credit Card Payment Form for \$810.00; \$770.00 filing fee for patent application and \$40.00 for merit recordation fee.

Mail Stop Patent Application

Please Date Stamp And Return To Our Courier

## FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: 1875.1090008

APPLICATION NO.: To Be Assigned

APPLICANT: Lawrence M. BURNS

FILING DATE: Herewith

GROUP: To Be Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA1	4,518,869	05/1985	Herold			
AB1	4,983,929	01/1991	Real et. al.			
AC1	5,164,614	11/1992	Maekawa			
AD1	5,686,824	11/1997	Rapp			
AE1	5,739,719	04/1998	Tanabe et al.			
AF1	5,812,024	09/1998	Mastrocola			
AG1	5,892,394	04/1999	Wu			
AH1	6,025,792	02/2000	Smith			
AI1						
AJ1						
AK1						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL1	WO 00/28664	05/2000	PCT			Yes No
AM1	EP 0 356 020 A1	02/1990	EPO			Yes No
AN1	EP 0 846 997 A2	06/1998	EPO			Yes No
AO1						Yes No
AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	International Search Report issued February 11, 2002 for Appln. No. PCT/US01/21033
AS	1	
AT	1	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	